

Photometry of Images of the Corona in Line 5303 A,
by P. N. Polupan, 4 pp.

RUSSIAN, per, Astron Tsirkulyar, No 141, 1953,
pp 5-8. CIA 9662352

ATTC MCL-84/V

Sci - Astron

13 Apr 59

Telecom 40795

152, 282

Spectrophotometry of the Chromospheric Limb Flare
of October 11, 1957, by P. N. Polupan, 11 pp.

RUSSIAN, per, Astron Zhur, Vol XXXVII, No 6,
1960, pp 1032-1042.

AIP
Sov Astron-AJ
Vol IV, No 6

Sci
Jul 61

157,668

Photometry of Images of the Corona in June 1953
by P. N. Polupan, 4 pp.

RUSSIAN, per, Astron Tsirkulyar, No 141, 1953,
pp 5-8. CIA 9662352

ATIC MEL-84/V

Sci - Astron
13 Apr 59

Telscom 40795

152, 282

Photometry of the Solar Corona in the Green Line,
by P. E. Polupan, 13 pp.

RUSSIAN, per, Astron Zh,^U Vol XXXII, NO 1, 1955,
pp 72-78.

Morris D. Friedmann
\$6.50

Sci - Astronomy

26,853

Sep 1955 CTS/DEX

On a New Path, by I. Lapkin, M. Polupinskiy, 12 pp.

Full tr

RUSSIAN, per, Grazhdanskaya Aviatsiya, No 1, Jan
1957, pp 3-5.

ATIC F-TS-9266/III

USSR - Economic
Oct 57

53,503

(NY-6752)

The Determination of the Molecular Weight
of Polygulucin, by V. Ya. Chernysk,
T. V. Polushina, 6 pp.

RUSSIAN, per, Med Prom, No 8, 1961,
pp 39-43.

JPRS 11650

Sci - Med

Jan 62

178,279

An Anti-Shock Fluid Based on the Plasma Albumin Donor's Blood, by T. V. Polushina, M. Z. Rukhovich, O. V. Grigoryeva, 4 pp.

RUSSIAN, per, Problemy Gematologii i Pereli Krovi, Vol V, No 3, 1960, pp 52-55.

PP

Sci

Oct 60

130,125

(NY-7037)

PREPARATION OF THE BLOOD SUBSTITUTE POLY-
GLUCIN BY THE METHOD OF CONTROLLED SYNTHESIS,
BY T. V. POLUSHINA, V. YA. CHERNYAK, 8 PP

RUSSIAN, PER, MEDIT PROM, NO 2, L962, PP 15-19.

JPRS 13772

SCI - MED

MAY 62

194,818

The Use of Polyglucin in the Study of the
Vascular Permeability in Dogs With Acute
Radiation Sickness, by R. V. Lenskaya, T. V.
Polushina, 4 pp.

RUSSIAN, per, Problemy Gematol i Perelivaniya
Krovi, Vol V, No 9, 1960, pp 57-60.

FP

Sci

Apr 61

149,124

Tachyphylaxis, by B. V. Polushkin, 12 pp.

RUSSIAN, per, Uspekhi Sovrem Biol, Vol L, No 3,
1960, pp 349-361.

Oliver & Boyd

Sci

Jun 61

155,363

101
Nuclear Desalination Equipment of Low
Capacity, by K. K. Polushkin, Yu. I. Koryakin,
S. P. Kuznetsov, I. I. Grozdov, A. P. Sirot-
kin, A. A. Loginov, V. D. Khorochev, P. Ye.
Gusnikov and Yu. N. Alekseenko, 17 pp.
RUSSIAN, np, Yadernyye opreshitel'nyye
ustanovki maloy moshchnosti, 9-9 Oct 1965.
JPRS 33480

K. K. Polushkin

USSR
Sci-Tech
JPRS 66

293,901

106
The Possibility of Increasing the Power of
Francis Turbines When Operating at Reduced
Heads, by N. P. Polushkin.
RUSSIAN, per, Energeticheskoe Stroitel'stvo,
No 34, 1963, pp 66-69.
CESTI TT 67-59023

N. P. Polushkin
Sci/Mech, Ind, Civ & Mar Engr
Nov 68

370,122

The Mechanization and Automation of Information Processing
Operations, by V. A. Pribludnyy, 8 pp.
RUSSIAN, per, Vostochnyye Afrikan, No 11, 1963, pp 22-23.

JPRS 23108

EX Sci-Mat
Feb 64

210,948

On the Most Efficient Way of Using Scientific Information
Materials in the Field of Oceanography, by V. A. Polubnyak.
3 pp.
RUSSIAN, per, Oceanography, Vol III, No 3, 1968,
pp 257-258.

JPRS 23221

Sci-Earth Sci
Feb 64

250,260

A Structural Variety of Cobaltite, by A. P.
Polushkina, G. A. Sidorenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol CLIII, No 1-6, Nov, Dec 1963, pp

Amer Geol Inst

Sci
Jul 65

Minimal Interactions Between Spin 0, $1/2$,
and 1 Fields, by V. I. Oglovetskiy,
I. V. Polubarinov, 5 pp.
RUSSIAN, per, Zhur Paper 1 Secret Fiz
Vol XLVI, No 3, 1964, pp 1048-1055.

Amer Inst of Phys
Soviet Phys - JETP
Vol XIX, No 3

Sci
Oct

867,773

Development of the Aluminum Industry in the USSR,
by N. Polutoff, 10 pp.

GERMAN, per, Aluminium, Vol XXXV, Aug 1959, pp
485-487.

CIA/TDD X-3788

~~NOT RELEASABLE TO FOREIGN NATIONALS~~

USSR
Econ
Nov 59

101, 113

The Production of Aluminum from Nepheline, by
N. Polutoff, 5 pp.

GERMAN, per, Aluminium, Apr 1958.

CIA/FDD/X-2964

CIA/FDD/Y-3204

EUR - Germany

CIA/FDD/X-3369

68,179

Some Characteristics of the Advance of the Oil-
Water Contact, by S. A. Sultanov, I. G. Poluyan,
5 pp.

RUSSIAN, per, Kertyanoye Khosyaystvo, Vol XXVII,
no 11, 1959, pp 44-48.

ATS-80N4R

203,236

Sci

Jun 62

Some Characteristics of the Advance of the Oil-
Water Contact, by S. A. Sultanov, I. G. Poluyan,
6 pp.

RUSSIAN, per, Neftyanoye Khozyaystvo, Vol XXXVII,
no 11, 1959, pp 44-48.

AUS-894445

203,236

Sci

Jun 62

Preliminary Results of Production Tests in the Bavl
Field, by F. A. Begishev, R. Sh. Mingareyev, I. G.
Poluyan, 6 pp.

RUSSIAN, per, Geol Nefti i Gaza, Vol III, No 6-B,
1959, pp 8-13.

RRG

Sci

154,112

May 61

Oil possibilities of the coal-bearing horizon of the
Baylin oil field, by A. R. Kinshteyev, L. G. Poluyan
and S. A. Sultanov, 6 pp.

RUSSIAN, per, Geolog Delfi, Vol II, No 10-11,
1958, pp 30-35.

Rev of Russian Geology

Sci

Dec 59

103,781

A Flame Spectrophotometer Adapted for Spectra
Recording and Its Applications, by W. S. Poluyek-
tov, S. B. Popova, L. A. Ovchar, 7 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XV, No 2,
1960, pp 131-137.

CB

Sci
Aug 61

163,437

The Relation Between the Radiation Intensity and
Concentration of 18 Elements in the Flame-Photo-
metric Method of Analysis, by N. S. Poluyektov,
R. A. Vitkun, L. A. Ovchar, 7 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XV, No 3, 1960,
pp 264-271.

CB

Sci
Aug 61

164,284

The Increase in the Radiation Intensity of Metals
in a Flame as a Result of Ionisation Suppression,
by N. S. Polnyakov, R. A. Vitkov, 7 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XVI, No 3, 1961,
pp 260-267.

CB

Sci

Jun 62

200,592

The Mutual Effect of Elements on Radiation Intensity in the Flame. Communication 2. Compounds Which are Formed During the Extinction of Calcium and Strontium Radiation by Aluminum, Zirconium, and Uranium Salts, by N. S. Poluyektov, S. B. Popova, 6 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XV, No 4, 1960, pp 437-442.

C3

164,254

Soi
Aug 61

Determination of Lithium and Cesium in Ores Using an
Integrating Flame Photometer, by N. S. Poluyektov, M.P.
Nikonova, S. E. Grinsaid, ~~2 pp~~ *4 pp*.

RUSSIAN, per, Zavod Lab, Vol XXVI, No 2, 1960,
pp 145-151 *pp 165-163*

ISA

Sci-
Feb 61

140,874

Microvolumetric Chromatographic Method for the
Determination of Individual Rare Earth Elements
in Their Mixtures, by R. S. Pauyer, N. S.
Poluyektov, 5 pp.

RUSSIAN, per, Zavod Lab, Vol XXV, No 4, 1959,
pp 391-395.

Instru Soc of Amer

Sci

Jun 60

118,033

The Mutual Effect of Elements on Radiation Intensity
In a Flame. Communication 1. The Use of the Two-
Sprayer Technique, by N. S. Puluykov and M. P.
Nikonova, 8 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XIII, No 6,
1958, pp 635-642.

Consultants Bureau

Sci

Feb 60

107,374

Bentonite Falcence for Facing Ceramics, by M. A.
Bezborodov, E. F. Poluyektova, 4 pp.

RUSSIAN, per, Steklo i Keramika, Vol XIV,
No 4, 1957, pp 13-15.

Consultants Bureau

Sci

Jun 60

118,242

H-Hydroquinone as a Reagent for the Photometric
Determination of Boric Acid, by V. A. Grizo,
E. N. Poluyektova, 5 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XIII, No 4,
1958, pp 434-438.

Consultants Bureau

Sci - Chem

Jun 59

88,334

Seminar at Exhibition of National Economic
Achievements, by N. Poluyoktova, 5 pp.

RUSSIAN, per, Ekon Sel'skogo Khoz, No 7,
Jul 64, pp 121-122.

JPRS 27191

USSR
Hcon
Ja n 65

271,200

Determination of Several Rare-Earth Elements by
Flame Photometry, by N. S. Poluyektov, M. P.
Nikonova, 14 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol XXV, 1959,
pp 217-225.

AEC-tr-5291

Sci - chem

Jan 63

218,839

list 74

Extraction-Photometric Determination of
Tantalum, Boron, Indium, and Rhenium, by
N. S. Poluyetkov, L. I. Kononenko, R. S.
Layner, 6 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XIII, No 4,
1958, pp 396-401.

Consultants Bureau

Sci - Chem

Jun 59

88,327

Determination of Sodium and Potassium in Minerals
by Flame Spectrophotometry, by E. S. Poluyetkov,
M. P. Nikonova, R. A. Vitkam, 8 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XIII, No 1, 1958,
pp 40-57.

5

Consultants Bureau

Sci - Chem

Jan 59

79,032

Some Ecologico-Physiological Peculiarities
of the Arctic and Desert Species of Foxes:
The Arctic Fox (*Alopex Lagopus L*) and Corsac
Fox (*Vulpes Corsac L*), by N. I. Kalabukhov,
O. B. Poluzadova.

DIKAK NANK
RUSSIAN, per, ~~Soviet Sci~~ USSR, Vol LIV,
No 4, 1946, pp 373-376.

US Dept of Interior
Tr No 223

USSR
Scientific - Biology

19,652

Nov 54 CTE

General Report on the State of Scientific and
Technological Research in Italy and Consequent Pro-
posals of Research Programs and of Measures to be
Taken, by Giovanni Polvani, 59 pp.

ITALIAN, rpt, Rome, 29 Jan 1964, Incl to State
Disp A 751, Annot Rome.
Dept of State.

AE - Italy
Scam Nov 65

250,942

Brief Statements Concerning the Peripheral Installations of the Supply Service. Chap I. The Peripheral Installations of the Supply Service, Their Operation; Description of the Buildings, Permanent Installations and Operating Materials, Chap II. Notes Concerning the Acceptance of Materials, by Giacomo Liverari, 25 pp. UNCLASSIFIED

Full translation.

ITALIAN, manual, Cenni sugli impianti periferici del servizio approvvigionamenti, 1952.

G-2 GSUSA G-593-J

EUR - Italy

Economic - Operations, supply service
Jun 53 CTS

304/2

On the Pathogenesis of Acute Pancreatic Hemorrhage
and Necrosis, by E. A. Polya, 11 pp.

GERMAN, per, Berliner Klinische Wochenschrift,
Vol XLIII, Dec 3, 1906, pp 1562-1565.

NIH 1-23-61

Sci - Med
Mar 61

141, 643

On a Question Concerning Entire Functions, by
G. Polya, 4 pp.
FRENCH, per, Comptes Rendus Acad Sci, Vol 158, 1914,
pp 330-333.
Dept of Navy NRL Tr 1227

G. POLYA

April 71

The Theory of Nonstationary Diffusion of Thermal Neutrons in a Two-Substance, Infinite Medium With a Cylindrical Dividing Surface, by A. L. Polyachenko, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 4, 1964, pp 532-547.

Amer Geophys Union

Sci
Aug 64

264,841

Features of the Vibro-Arc Surfacing Technique
Using a Strip Electrode, by G. F. Sokolov,
A. V. Polynchenko, 5 pp.

RUSSIAN, per, Svaroch Proiz, No 12, 1961,
pp 8-11.

Sci

~~WRA~~
BWRA

Nov 62

216,446

Reconditioning Tractor Parts by Vibro-Arc
Resurfacing, by A. V. Polyachenko, G. & F. Sokolov,
5 pp.

RUSSIAN, per, Svaroch Proiz, No 10, 1961,
pp 34-36.

BWRA

Sci

Oct 62

214,443

On the Possibility of Macroscopic Manifestations of
Violation of Microscopic Causality, by D. A.
Kirshnits, V. L. Polyachenko, 6 pp.

RUSSIAN, per, Zhur Eksper Teoret Fiz, Vol XLVI,
No 2, 1964, pp 755-763.

Amer Inst of Phys
Sov Phys-JETP
Vol XIX, No 2

Sci
Sep 64

266,562

Synthesis of Substituted 1-Benzyl-3,4-Dihydroiso-
quinolines, by I. N. Gorbachova, L. P. Varnakova,
N. V. Monich, V. M. Polyachenko, A. S. Roma-
nova, L. S. Tulchinskaya, M. S. Shvartsberg, 6 pp.

RUSSIAN, *Izv. Akad. Nauk SSSR, Ser. Khim.*, Vol XXVII, No 8,
1957, pp 2276-2281.

Consultants Bureau

Sci - Chem
Oct 58

74, 218

29
The $\text{ScCl}_3 - \text{Sc}$ System, by O. O. Polynchenok,
G. I. Novikov.
RUSSIAN, per, Zhur Neorgan Khim, Vol VIII, 1963,
pp 2619-2621.
ARC-15-Tr-2

Sci-Chem
Aug 66

262,925

On the Stability of Lower Valence Rare Earth Chlorides, by
O. G. Polyachenok, G. I. Novikov, 14 pp.
RUSSIAN, per, Zh. Neorgan. Khim., Vol VII, 1963, pp 1547-1573.

AEC-17-0147

Sci - Chem
Feb 64

250, 283

On the Stability of Lower Valence Rare Earth Chlorides,
by O. G. Polyachenko, G. I. Novikov, 13 pp.
RUSSIAN, per. Zhur Nauchn Khim, Vol VIII, No 7, 1963,
pp 1567-1573. 9218937

AEC-Tr-6157

Sci-99cl Sci
Feb 64

249,539

The Sci.-Soc System, by O. O. Polyzachenok,
G. I. Nefedov, 6pp
RUSSIAN, per, ~~USSR~~ ~~USSR~~ ~~USSR~~, Vol 8, 1963,
No 12, pp 289-291
OAS IS-Trans-2

O. O. Polyzachenok

Sci - Chem
June 67

323,698

The Pr-PrCl_3 system, by B. I. Novikov, O. G.
Polyachenok.

RUSSIAN, per, Zhur Neorgan Khim, No 5, 1962.

CS

Sci

Apr 63

232,421

The Economic Order of Afghanistan, Chap V - New ³²
Stage in Development of the Economy of Afghan-
istan; Chap VI - The Nature of Social and Eco-
nomic Relationships in Afghanistan, by A. A.
Polyak, 23 pp.
RUSSIAN, 1964, pp 124-162.
ACSI J-2904
ID 2204037967

A. A. Polyak

USIN
Econ-Soc
Sept 67

333,112

Polyak, A. I.
CHANGES IN IMMUNOLOGICAL REACTIVITY AND
MORPHOLOGICAL CONSTRUCTION OF LYMPHOID
TISSUE AT VARIOUS STAGES IN RADIATION
INJURY. [1963] [12p] 24 refs FASEB manuscript
no. S 60-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13491

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 7, no. 10, p. 51-55.

(Biological Sciences--Radiobiology, TT, v. 11, no. 11)

TT-64-13491

- I. Polyak, A. I.
- II. FASEB-S-60-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

35360

Office of Technical Services

Production of Ammonium Sulfate from Gypsum,
by A. M. Polyak and N. S. Bulgoveshchenskaya,
17 pp.

RUSSIAN, per, Mineral Udobreiya Insektorum-
gisidy, Vol I, No 5, 1935, pp 7-20.

SLA R-2230

Sci

Aug 58

72,439

The Nitric Acid Treatment of Apatite to
Obtain Dicalcium Phosphate and Calcium Hi-
trate, by A. H. Polyak, 18 pp.

RUSSIAN, per, Zhur Khim Prom, Vol XIV, 1937,
pp 807-817.

SIA R-2514

Sci

Aug 58

72,964

New Powerful Field Electromagnet, by
B. L. Polyak, I. A. Zav'yalov

RUSSIAN, no per, Voenno Med Zhur,
No 11, Moscow, Nov 1958, pp 65-68

US JPRS 1249-M

Sci - Electron. Eng
Feb 59

81,394

Characteristics of the Course of Wounds and Burns of
the Visual Organ, Complicated by Radiation Sickness,
by B.L. Polyak

RUSSIAN mo per, Voenno Med Zhur, No 4, Moscow,
April 1958, pp 8-11

US JPRS/NY-599

Sci - Medicine
Aug 58

69, 612

Work Conditions for Radar Set Operators and the
Possible Preventive Measures Against Fatigue and
Eye Tiredness, by N. F. Galanin, B. L. Polyak, V. V.
Volkov, V. I. Krichagin, V. I. Medvedev, 6 pp.

RUSSIAN, per, ~~Voyennomeditsinskaya Zhur~~ Zhur, No 9, 1956
Encl to AFOIN-1A1, IR-1503-57, ~~IR-1503-57~~.

AF 1110295

USSR
Sec - Health
Sci - Med
Jul 57

49,566

Apr 62

(NY-7018)

Passow's Operation and Its Modification
(Sector Conjunctivotomy) in Chemical and
Thermal Burns of the Eye, by
B. L. Polyak, 9 pp.

RUSSIAN, per, Vestnik Oftal'mologii,
Vol. LXXIV, No 6, 1961, pp 32-36.

JPRS 13499

Sci - Med
Apr 62

192,373

The Influence of Surface Relief on the Intensity of
X-ray Diffraction Maxima, by A. S. Kagan, B. T.
Polyak, S. Sh, Shil'shteyn, 3 p.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIX, No 9,
1959, pp 1142-1145.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol IV, No 9

Sci

Apr 60

112, 410

P 20
Some Methods of Accelerating the Convergence of
Iterative Schemes, by B. T. Polynik, 17 pp.
RUSSIAN, per, Zhur Vychislitel' Matemat. i Mekhan. Fiz.,
Vol IV, No 3, 1961, pp 791-802.
SPRS 28179

Sci-Math & Data Proc
Feb 63

273,143

Problems of Multimove Selection III. 135
Calculation Methods, by D. T. Polyak.
RUSSIAN, per. Vop. Teorii Matematicheskikh
Nashin (Fizmatgiz)) Vol 2, 1962, pp. 156-
73.

NLL Ref: RTS 3910

B. T. Polyak

Sci-~~General~~
July 69

387,397

Some Questions in Tirtation Theory. XCommunication 1.
Titration Curves and the Possibility of Carrying Out
Titremetric Determinations, by E.A. Polyak, 10 pp.

RUSSIAN, Zhur Anal Khim, Vol XVIII, No 16,
1963, pp 2687-697.

CB

Sci

May 64

258,577

Some Problems in Titration Theory. Communication 2.
Factors which Prevent Titration in Dilute Solutions,
by E.A. Polyak, 6 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XVIII, No 7,
1963, pp 788-795.

CB

Sci

May 64

258,585

Method of Investigation: Radiative Heat
Transfer, by G.L. Polyak, V.M. Arlanov. 12 pp. 82
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
No 6, 1964, pp 63-69. P100011666
FROTT-65-2024

G. L. Polyak

Sci/Physics
Sep 66

309,554

Differential Methods of Investigation of Radia-
tion Heat Transfer, by V. N. Adrianov, G. L.
Polyak. 37 pp.
RUSSIAN, per, Izvestiya-Fizicheskii Zhurnal.
Vol 7, 1964, pp 74-80. 5700941
FTD-MT-65-182

82

G. L. Polyak

Sci/Physics
Aug 66

306,270

On the Theory of Heat Exchange in Furnaces, by
G. L. Polyak, S. N. Shorin, 32 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 12, 1949, p 1832.

CIA/FDD X-4775

Sci - Phys

175, 624

Dec 61

Radiative Transfer Between Surfaces of Arbitrary
Spatial Distribution of Reflexion, by G. L. Polyak,
34 pp.

RUSSIAN, bk, Konvektivnyy i Luchestyy Teploobmen,
1960, p 118.

CIA/FDD X-4792

Sci - Phys

NSF TT-9
179,043

Jan 62

A Photographic Method for ~~XXXXXX~~ Studying the Light
Pattern of Radiant Energy, by V. N. Adrianov, G. L.
Polyak,

RUSSIAN, per, Zhur Nauch i Prikl Fotograf i
Kinematog, Vol V, No 2, 1960, pp 123-132.

CIA FDD XX-1017
NOT RELEASABLE TO FOREIGN NATIONALS

153,825

Sci - Phys
Jul 61
USID INTERNAL USE ONLY

100
A New Method of Investigating Radiative
Heat Transfer, by G. L. Polyak, V. N.
Adrianov, 7 p.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
No 6, 1964, pp 63-69.
*FTT-TT-65-2024

G. L. Polyak

Sci-Nuclear
Jan 66

110
Optimal Planning of Rolled Wire Shipments,
by V. Iivets, I. Polyak, 7 pp.
RUSSIAN, per. Material'no-Tekhnicheskoye
Sobremennye, Moscow, No 7, July 1968, pp 64-69.
JPRS 60564

Sch-1st
Oct 68

I. POLYAK

347.50

Electric Current in Penning Tubes, by I. M.
Polyak, 4 pp.

RUSSIAN, per, Radiotekh i Elektron, No 3, 1961.

AIEE

Sci
Apr 62

7
194,833

Seasonal Change in the Composition of Fleas in
Ground Squirrel Burrows in N.-Chirsk District,
by I. M. Polyak, V. M. Tuzanskiy.

RUSSIAN, per, Rev Microbiol, Vol XI, Saratov,
x 1932, pp 285-287. CIA 9013606.

US Dept of Interior
Tr No 82

USSR

19,833

Scientific - Biology

Dec 54 CTS

Polyak, L. S. and Rapoport, M. B.
CORRELATION BETWEEN ELECTRICAL AND
ELASTIC PROPERTIES OF SEDIMENTARY ROCKS.
[1962] [20] p. 6 refs.
Order from OTS or SLA \$1.60

62-18544

Trans. from Prikladnaya Geofizika (USSR) 1956, no. 15.

DESCRIPTORS: *Sedimentary rock, Elasticity, Electrical properties, Statistical functions, Well logging.

There is a high degree of correlation between the recoil energy and porosity of elastic rocks. The conductivity and elasticity of such rocks depend upon porosity; there is, therefore, a correlation between resistivity and elastic wave velocity. The analysis of a large body of experimental data shows a correlation of 0.7 between resistivity and acoustic rigidity, and a correlation of 0.65 between conductivity and pressure wave velocity. The correlation between conductivity and the (Earth Sciences, TT, v. 9, no. 6) (over)

62-18544

I. Polyak, L. S.
II. Rapoport, M. B.

028050

Office of Technical Services

elastic properties of sedimentary rocks can be utilized for practical purpose - for the synthesis of seismic-geologic cross-sections from experimental elasticity data, for the analysis of velocity log data, and the interpretation of (profile) seismic data. (Author)

62-18544

Photometric Determination of Titanium in Aluminum/
and Molybdenum Based Alloys by Means of Diantipyril-
methane, by L. Ya. Polyak, 5 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XVIII, No 8,
1963, pp 956-960.

CB

Sci

May 64

258,413

The Potentiometric Method of Determining Zinc
in Magnesium Alloys, by L.YA. Polyak and F.M.
Shanyakin.

RUSSIAN, per, Zavodskaya Laboratoriya, 1950,
Vol. 16, no.1, pp. 24-25.
SLA-TT-64-20378

L. Ya. Polyak

Chem
Aug 66

306,619

Study of the Reaction Rates of Processes Occur-
ing During Potentiometric Titration, by L. Ya.
Ilyuk, B. M. Kabanov, 8 11 pp. UNCLASSIFIED

Full translation.

RUSSIAN, also for, Zhur Anal' Khim, Vol VIII,
No 5, 1953, pp 253-265.

Consultants Bureau

Scientific - Chemistry

Sep 54 CTO/HEI

18,602

TT-65-27598

Field 7B

Polyak, L. Ya.; Bashkirova, I. S.
DETERMINACION FOTOMETRICA DEL CIRCONIO EN
ALEACIONES DE MAGNESIO Y DE ALUMINIO UTILIZANDO
LA QUERCETINA (Fotometricheskoe Opređenje Tsirkoniya
v Magnitnykh i Alyuminiyevykh Splavakh s Ispol'zovaniem
Kvertsetina). 13p, 19 refs. CID-65-718,
Order from ETC or CID: \$1.60 as TT-65-27598

Trans. in Spanish of Zhurnal Analiticheskoi Khimii (USSR)
v19 n7 p842-6 1964.
See also "Translated or Abstracted Publications," in
TT Vol. 14, No. 8.

I. Centro de Informacion y
Documentacion
Madrid (Spain)

European Translations Centre

Electro-Chemical Behavior of Electrodes During
Potentiometric Titration With Trilon B, by B. N.
Kabanov, L. Y. Ya. Polyak, 8 pp.

RUSSIAN, bimo per, Zhur Anal Khim, Vol XI, No 6,
Nov/Dec 1956, pp 678-665.

Consultants Bureau

Sci - Chemistry
Sep 57

53,067

The Electrochemical Behavior of an Aluminum
Electrode During Titration of Aluminum Ions with
~~KXEX~~ Fluoride, by B. N. Kabanov, L. Ya. Polak,
8 pp. *AK*

RUSSIAN, per, Zhur Anal Khim, Vol XIII, No 5,
1958, pp 538-544.

Consultants Bureau

Sci - Chem
Aug 59

93,773

A Potentiometric Method of Determination of Aluminum in
Nickel Based Refractory Alloys, by A. A. Gorelova,
L. Ya. Polyak, 3 pp.

RUSSIAN, per, Zavod Lab, No 3, 1959, pp 285-287.

Instru Soc of Amer

Sci

Apr 60

114,651

The Role of the Adrenals in the Restoration of the
Vital Functions After Clinical Death, by M. G.
Kalyakov, M. G. Polyak, G. S. Yakobson, 7 pp.

RUSSIAN, per, Byul H Misper Biol i Med, Vol XLVII,
No 3, 1959, pp 21-26.

CB

Sci -

Nov 59

106,282

Heat Transfer in Turbine Grids, by
L. M. Zysina-Molozhen, M. P. Polyak, et al,
8 pp.

RUSSIAN, per, Teploenergetika, No 7, 1962,
pp 77-80. 9682734

FTD-TT-62-1784

Sci-Engr
May 63

229,521

High-Strength Alloys for Drilling Tools, by M. S.
Polyak, 5 pp.

RUSSIAN, per, Ryalleten' Tekhniko-Ekonomicheskoy
Informatsii, No 8, 1968, pp 7-8.

JPRS 16143

USBR
Room
Nov 68

217,354

New Multiplexing Equipment in the Telephone
Service System in Rural Areas, by
B. A. Mryukov, M. U. Polyak, 18 pp.

RUSSIAN, per, Vest Svyazi, Vol XXIV, No 6, 1964.

JPRS 26211

Sci
Sept 64

~~267,061~~,
267,061

(DC-4450)

Results of the All-Union Competition for the Best
Suggestions in the Field of Communications, by
M. U. Polyak, 6 pp.

RUSSIAN, per, Vestnik Svyazi, No 1948, pp 18, 19.

JPRS 6656

Sci

Feb 61

140,727

From the First High-Frequency Installations to
Powerful Long-Distance Communication Systems,
4 pp. by M. U. Polyak

RUSSIAN, per, Elektrosvyaz, No 11, 1957, pp 38-44.

MIT Lincoln Lab
Group Rpt 34-76

Sci - Electron
Dec 58

LC 59-12190

78,210